

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A system retrofittable to a mobile platform for providing
a Man-In-The Loop (MITL) weapon control capability to a non-MITL mobile platform
including , comprising:
an attachment point for attaching a store weapon to a portion of said mobile
platform; ;
a management system for communicating data amongst a plurality of other
systems of the mobile platform systems and an operator and including a docking
station located on said mobile platform,
the mobile platform including a data link operatively associated with the
attachment point to allow the store weapon and at least one of the mobile platform
systems to communicate, the system comprising:
a circuit having an MITL interface and carried on the mobile platform, and
adapted to dock to the docking station and to operate independently of other weapon
systems carried on the mobile platform, the circuit and including:
an input for accepting input commands from the operator;
a first data port for sending output commands to at least one of the data
link pod and the store weapon based on the input commands; and
a second data port for accepting imaging data from the store weapon via
the data link pod, and communicating the imaging data back to the circuit.

2. (Currently Amended) The system according to claim 1, further comprising a video digitizer associated with the circuit to communicate with the second data port and to digitize the imaging data.

3. (Currently Amended) The system according to claim 1, further comprising a video digitizer adapted to be interposed between the data link and the second data port to digitize the imaging data from the store and to forward the digitized imaging data to the second data port.

4. (Original) The system according to claim 3, further comprising an IEEE-1394 compatible cable adapted to connect the digitizer and the second data port.

5. (Original) The system according to claim 1, further comprising a memory for storing a mission-planning program to be executed by the circuit.

6. (Original) The system according to claim 1, further comprising a data entry device adapted to communicate with the circuit via the input.

7. (Original) The system according to claim 6, further comprising an RS-232 compatible cable adapted to connect the date entry device and the input.

8. (Original) The system according to claim 6, further comprising a joystick associated with the device.

9. (Currently Amended) The system according to claim 1, wherein the circuit is adapted to forward the imaging data to the data management system display.

10. (Original) The system according to claim 1, wherein the circuit is adapted to be carried onboard the mobile platform.

11. (Original) The system according to claim 1, further comprising at least one of a firmware containing the circuit and a personal computer containing the circuit.

12. (Currently Amended) The system according to claim 1, wherein the imaging data is one of at least infrared and visible electromagnetic radiation.

13. (Currently Amended) A ~~computer for use on a~~ mobile platform including:

an attachment point for a store weapon,

a data management system for communicating data amongst a plurality of mobile platform systems and an operator and including a docking station;

the mobile platform including a data link operatively associated with the attachment point on the mobile platform to allow the store weapon and at least one of the mobile platform systems to communicate; ~~the computer comprising:~~

a computer carried on the mobile platform and including a Man-In-The-Loop (MITL) interface;

a docking port to dock to the docking station;

an input for accepting MITL weapon control input commands from the operator; a data port for sending output commands to at least one of the data link and the store weapon based on the inputs input commands; and an image port for accepting imaging data from the storeweapon and transmitting said imaging data back to the computer.

14. (Currently Amended) The mobile platform computer according to claim 13, further comprising a video digitizer to communicate with the image port and to digitize the imaging data.

15. (Currently Amended) The mobile platform computer according to claim 13, further comprising an external video digitizer adapted to be interposed between the data link and the image port to digitize the imaging data from the store and to forward the digitized imaging data to the image port.

16. (Currently Amended) The mobile platform computer according to claim 15, wherein the image port is IEEE-1394 compliant.

17. (Currently Amended) The mobile platform computer according to claim 13, further comprising a memory for storing a mission-planning program to be executed by the computer.

18. (Currently Amended) The mobile platform computer according to claim 13, further comprising an external data entry device adapted to communicate with the input.

19. (Currently Amended) The mobile platform computer according to claim 18, wherein the input is an RS-232 port adapted to communicate with the date entry device.

20. (Currently Amended) The mobile platform computer according to claim 18, further comprising a joystick associated with the device.

21. (Currently Amended) The mobile platform computer according to claim 13, wherein the computer is adapted to forward the imaging to the data management system.

22. (Currently Amended) The mobile platform computer according to claim 13, wherein the computer is adapted to be carried onboard the mobile platform.

23. (Currently Amended) The mobile platform computer according to claim 13, wherein the computer is a laptop computer.

24. (Original) The computer according to claim 13, wherein the imaging is one of at least infrared and visible electromagnetic radiation.

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Withdrawn) A method of preparing a mobile platform to accept a store, the mobile platform including an attachment point for a store, a data management system for communicating data amongst a plurality of mobile platform systems and an operator, the data management system including a docking station, and a data link operatively associated with the attachment point to allow the store and at least one of the mobile platform systems to communicate, the method comprising: configuring a circuit to accept operator inputs, the circuit adapted to dock to the docking station; configuring the circuit to send commands to at least one of the data link and the store based on the inputs; and configuring the circuit to accept imaging from the store.

31. (Withdrawn) The method according to claim 30, further comprising configuring the data management system to accept the imaging from the circuit.

32. (Withdrawn) The method according to claim 31, further comprising configuring the data management system to display the imaging.

33. (Withdrawn) The method according to claim 30, further comprising docking the circuit to the docking station.

34. (Withdrawn) The method according to claim 30, further comprising configuring a video digitizer to digitize the imaging.

35. (Withdrawn) The method according to claim 30, further comprising configuring the circuit to execute mission-planning program.

36. (Withdrawn) The method according to claim 30, further comprising configuring the circuit to communicate with an external data entry device.

37. (Withdrawn) The method according to claim 30, further comprising carrying the circuit onboard the mobile platform